## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims:**

1	1. (Currently amended) A computer controlled method in a provisioning
2	device in a networked computer system comprising an execution mechanism
3	configured to execute the method, the method comprising:
4	establishing communication between the provisioning device and the
5	network device over a preferred channel, wherein the preferred channel is a
6	bidirectional, location-limited channel which has a demonstrative identification
7	property and an authenticity property;
8	pre-authenticating said network device, wherein pre-authenticating said
9	network device involves:
10	exchanging key commitment information between said
11	provisioning device and said network device over said bidirectional
12	preferred channel;
13	exchanging keys between said provisioning device and said
14	network device over a bidirectional channel that does not have to be the
15	preferred channel other than the preferred channel; and
16	verifying the received keys using the received key commitment
17	information on both the said provisioning device and said network device;
18	providing provisioning information to said network device over said
19	bidirectional preferred channel, wherein the provisioning information comprises:
20	a first set of provisioning information which is used exclusively to
21	establish secure and authenticated communication between the

22		provisioning device and the said network device using a second channel
23		wherein the second channel need not be location-limited; and
24		other provisioning information comprising at least one of
25		application-specific information and device-specific assignment
26		information;
27		whereby said network device can automatically configure itself for secure
28	com	nunication over a network responsive to said first and other provisioning
29	9 information, wherein the secure communication can be over the second channel	
1	2.	(Original) The computer controlled method of claim 1, wherein said
2		provisioning information comprises network configuration information. \\
1	3.	(Original) The computer controlled method of claim 1, further comprising
2		receiving a public key from said network device;
3		verifying said public key with said key commitment information; and
4		automatically provisioning said network device with a credential
5		authorized by a credential issuing authority.
1	4.	(Original) The computer controlled method of claim 3, further comprising
2		establishing proof that said network device is in possession of a private
3		key corresponding to said public key.
1	5.	(Original) The computer controlled method of claim 3, wherein said
2		credential issuing authority is a certification authority and said credential
3	is	a public key certificate.

1	6.	(Original) The computer controlled method of claim 3, wherein the step of
2		automatically provisioning is responsive to authorization from a
3		registration agent.
1	7-8	(Canceled).
1	9.	(Original) The computer controlled method of claim 1, wherein the
2		network is a wireless network, and wherein said provisioning device is a
3		wireless access point.
1	10.	(Original) The computer controlled method of claim 9, further comprising
2		receiving a wireless communication;
3		determining whether said wireless communication originated from
4		said network device or from a second network device that was not
5		provisioned by said wireless access point; and
6		routing said wireless communication responsive to the step of
7		determining.
1	11.	(Original) The computer controlled method of claim 10, wherein the step
2		of routing comprises:
3		choosing a selected channel from a secure channel and an insecure
4		channel responsive to the step of determining; and
5		sending said wireless communication through said selected channel.
1	12.	(Original) The computer controlled method of claim 1, wherein said
2		provisioning device is in communication with a credential issuing
3		authority.

1	13.	(Currently amended) A computer-readable storage medium storing
2	instru	ctions that when executed by a computer cause the computer to perform a
3	metho	od to provision a network device, the method comprising steps of:
4		establishing communication between the provisioning device and
5		said network device over a preferred channel, wherein the preferred
6		channel is a bidirectional, location-limited channel which has a
7		demonstrative identification property and an authenticity property;
8		pre-authenticating said network device, wherein pre-authenticating
9		said network device involves:
10		exchanging key commitment information between said
11		provisioning device and said network device over said bidirectional
12		preferred channel;
13		exchanging keys between said provisioning device and said
14		network device over a bidirectional channel-that does not have to be the
15		preferred channel other than the preferred channel; and
16		verifying the received keys using the received key commitment
17		information on both the said provisioning device and said network device;
18		providing provisioning information to said network device over
19		said bidirectional preferred channel, wherein the provisioning information
20		comprises:
21		a first set of provisioning information which is used exclusively to
22		establish secure and authenticated communication between the
23		provisioning device and the said network device using a second channel
24		wherein the second channel need not be location-limited; and
25		other provisioning information comprising at least one of
26		application-specific information and device-specific assignment
27		information;

28	whereby said network device can automatically configure itself for	
29	secure communication over a network responsive to said first and other	
30	provisioning information, wherein the secure communication can be over	
31	the second channel.	
1	14. (Original) The computer-readable storage medium of claim 13, further	
2	comprising	
3	receiving a public key from said network device;	
4	verifying said public key with said key commitment information; an	
5	automatically provisioning said network device with a credential	
6	authorized by a credential issuing authority.	
1	15. (Original) The computer-readable storage medium of claim 13, wherein	
2	the network is a wireless network, and wherein said provisioning device	
3	a wireless access point.	
1	16. (Currently amended) An apparatus for provisioning a network device	
2	comprising:	
3	at least one port configured to establish a preferred channel;	
4	a preferred communication mechanism configured to be able to	
5	establish communication with and said network device over said preferred	
6	channel, wherein the preferred channel is a bidirectional, location-limited channel	
7	which has a demonstrative identification property and an authenticity property;	
8	a pre-authentication mechanism configured to be able to:	
9	receive key commitment information over said preferred	
10	channel from said network device;	

11	exchange keys between said provisioning device and said
12	network device over a bidirectional channel that does not have to be
13	the preferred channel other than the preferred channel; and
14	verify the received keys using the received key
15	commitment information on both said provisioning device and said
16	network device;
17	a provisioning mechanism configured to provide provisioning
18	information to said network device over said bidirectional preferred channel,
19	wherein the provisioning information comprises:
20	a first set of provisioning information which is used
21	exclusively to establish secure and authenticated communication between
22	the provisioning device and the said network device using a second
23	channel, wherein the second channel need not be location limited; and
24	other provisioning information comprising at least one of
25	application-specific information and device-specific assignment
26	information;
27	whereby said network device can automatically configure itself for
28	secure communication over a network responsive to said first and other
29	provisioning information, wherein the secure communication can be over the
30	second channel.
1	17. (Original) The apparatus of claim 16, wherein said provisioning
2	information comprises network configuration information.
1	18. (Original) The apparatus of claim 16, further comprising
2	a key reception mechanism configured to receive a public key;
3	a key verification mechanism configured to verify said public key
4	with said key commitment information; and

5		a credential provisioning mechanism configured to automatically
6		provide a credential authorized by a credential issuing authority.
1	19.	(Original) The apparatus of claim 18, further comprising a key exchange
2		mechanism configured to be able to perform a key exchange protocol with
3		said network device.
1	20.	(Original) The apparatus of claim 18, wherein said credential issuing
2		authority is a certification authority and said credential is a public key
3		certificate.
1	21-22	(Canceled).
1	22	(Od to DTI)
1	23.	(Original) The apparatus of claim 22, further comprising:
2		a packet receiver mechanism configured to receive a wireless
3		communication;
4		a determination mechanism configured to determine whether said
5		wireless communication received by the packet receiver mechanism
6		originated from said network device or from a second network device that
7		was not provisioned by said wireless access point; and
8		a router mechanism configured to route said wireless communication
9		responsive to the determination mechanism.
1	24.	(Original) The apparatus of claim 23, wherein the router mechanism
2		further comprises:
3		a channel selection mechanism configured to choose a selected
4		channel from a secure channel and an insecure channel responsive to the
5		determination mechanism: and

- 6 a transmission mechanism configured to send said wireless
- 7 communication through said selected channel.
- 1 25. (Original) The apparatus of claim 16, further comprising a non-preferred
- 2 communication mechanism that can be used to communicate with a
- 3 credential issuing authority.
- 1 26-66. (Canceled)